

SN:09/490,666

*C1
concl'd*

filing date of this application. This deposit of the Inbred Maize Line PH48V will be maintained in the ATCC depository, which is a public depository, for a period of 30 years, or 5 years after the most recent request, or for the effective life of the patent, whichever is longer, and will be replaced if it becomes nonviable during that period. Additionally, Applicant has satisfied all the requirements of 37 C.F.R. §§1.801 - 1.809, including providing an indication of the viability of the sample. Applicant imposes no restrictions on the availability of the deposited material from the ATCC; however, Applicant has no authority to waive any restrictions imposed by law on the transfer of biological material or its transportation in commerce. Applicant does not waive any infringement of his rights granted under this patent or under the Plant Variety Protection Act (7 USC 2321 et seq.). U.S. Plant Variety Protection of Inbred Maize Line PH48V has been applied for under Application No. 200000210.

✓ ✓ **IN THE CLAIMS**

Delete claims 5-51 and insert new claims 52-69.

- C2*
52. (New) A tissue culture according to claim 4, cells or protoplasts of the tissue culture being from a tissue selected from the group consisting of leaves, pollen, embryos, roots, root tips, anthers, silks, flowers, kernels, ears, cobs, husks, and stalks.
53. (New) A maize plant regenerated from the tissue culture of claim 4, said plant capable of expressing all the morphological and physiological characteristics of inbred line PH48V, representative seed of which have been deposited under ATCC Accession No. PTA-4263.
- 347
D2* 54. (New) A method for producing a hybrid maize seed comprising crossing the plant of claim 2 with a different maize plant and harvesting the resultant hybrid maize seed.
55. (New) The maize plant, or parts thereof, of claim 2, wherein the plant or parts thereof further comprise one or more transgenes for herbicide resistance.
56. (New) The maize plant, or parts thereof, of claim 55, wherein at least one of the transgenes for herbicide resistance confers resistance to a chemical compound selected from the group consisting of imidazolinone, sulfonylurea, glyphosate, glufosinate, L-phosphinothricin, triazine and benzonitrile.

SN:09/490,666

- cr2
cont'd
57. (New) A method for producing a hybrid maize seed comprising crossing the plant of claim 55 with a different maize plant and harvesting the resultant hybrid maize seed.
58. (New) The maize plant, or parts thereof, of claim 2, wherein the plant or parts thereof further comprise one or more transgenes for pest or disease resistance.
59. (New) The maize plant, or parts thereof, of claim 58, wherein at least one of the transgenes for pest or disease resistance encodes a *Bacillus thuringiensis* endotoxin.
60. (New) A method for producing a hybrid maize seed comprising crossing the plant of claim 58 with a different maize plant and harvesting the resultant hybrid maize seed.
61. (New) The maize plant, or parts thereof, of claim 2, wherein the plant or parts thereof further comprise one or more transgenes that confer or contribute to a value added trait.
62. (New) The maize plant, or parts thereof, of claim 61, wherein at least one of the transgenes that confers or contributes to a value added trait is selected from the group consisting of a gene encoding stearoyl-ACP desaturase, phytase, fructosyltransferase, levansucrase, invertase and alpha-amylase.
- 59
63. (New) A method for producing a hybrid maize seed comprising crossing the plant of claim 61 with a different maize plant and harvesting the resultant hybrid maize seed.
64. (New) The maize plant, or parts thereof, of claim 2, wherein the plant or parts thereof further comprise one or more single gene conversions selected from the group consisting of, white kernel color, waxy starch, high amylose starch, disease resistance, insect resistance, and herbicide resistance.
65. (New) A method for producing a hybrid maize seed comprising crossing the plant of claim 64 with a different maize plant and harvesting the resultant hybrid maize seed.
66. (New) A maize plant, or parts thereof, having all of the physiological and morphological characteristics of inbred line PH48V, representative seed of said line having been deposited under ATCC accession No. PTA-4263.
67. (New) A process for producing inbred PH48V, representative seed of which have been deposited under ATCC Accession No. PTA-4263, comprising:
- (a) planting a collection of seed comprising seed of a hybrid, one of